

=> FILE REG

FILE 'REGISTRY' ENTERED AT 19:50:46 ON 28 AUG 2008
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FILE 'LREGISTRY' ENTERED AT 19:43:10 ON 28 AUG 2008

L1 1 S (PT (L) (RU OR RH OR MO OR W OR V OR HF OR ZR OR NB OR
L2 0 S L1 (L) 3/ELC.SUB

FILE 'REGISTRY' ENTERED AT 19:43:28 ON 28 AUG 2008

L3 627 S L1
L4 90 S L3 (L) 3/ELC.SUB

FILE 'HCA' ENTERED AT 19:45:00 ON 28 AUG 2008

L5 48 S L4
L6 QUE CAT# OR CATALY?
L7 863361 S MEMBRAN?
L8 79374 S FUEL?(2A)(CELL OR CELLS)
L9 15712 S ELECTROOXID? OR ELECTROXID? OR ELECTRO(2A)(OXIDI? OR OX
L10 197297 S (VAPOR? OR VAPOUR?)(3A)DEPOSIT?
L11 136528 S (CVD OR (CHEMICAL? OR CHEM)(2A)(VAPOR? OR VAPOUR?)(2A)D
L12 6 S L5 AND L6
L13 4 S L5 AND (L7-L11)
L14 7 S L12 OR L13
L15 41 S L5 NOT L14
L16 5 S 1840-2002/PY,PRY,AY AND L14
L17 23 S 1840-2002/PY,PRY,AY AND L15

=> FILE HCA

FILE 'HCA' ENTERED AT 19:50:57 ON 28 AUG 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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=> D L16 1-5 BIB ABS HITSTR HITIND

L16 ANSWER 1 OF 5 HCA COPYRIGHT 2008 ACS on STN
 AN 140:256300 HCA Full-text
 TI Vapor deposited catalysts and their
 use in fuel cells
 IN Figueroa, Juan C.; Lundgren, Cynthia A.
 PA E.I. Du Pont De Nemours and Company, USA
 SO PCT Int. Appl., 24 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	
PI	WO 2004022209	A2	20040318	WO 2003-US20893	20030630

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WO 2004022209 A3 20040603
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
 CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,
 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,
 LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
 NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
 SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
 ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
 BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
 NE, SN, TD, TG

CA 2488724	A1	20040318	CA 2003-2488724	20030630
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AU 2003298520	A1	20040329	AU 2003-298520	20030630
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EP 1516380	A2	20050323	EP 2003-794432	20030630
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
 PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU,
 SK

CN 1666365 A 20050907 CN 2003-815796

200306
30

JP 2005532670 T 20051027 JP 2004-534236

200306
30

US 20050255370 A1 20051117 US 2004-518330

200412
15

PRAI US 2002-393351P P 20020701 <--
WO 2003-US20893 W 20030630

AB The invention provides a catalyst useful in a proton exchange membrane contg. fuel cell for the electrooxidn. of fuels prepd. by the chem. activation of vapor deposited substantially semicryst. PtXaAlb onto a substrate, wherein X is selected from the group consisting of Ru, Rh, Mo, W, V, Hf, Zr, Nb and Co, and a is at least 0.001, and b is at least 0.85 (1+a), with the proviso that when a = 1 and b = 8, X is only selected from the group consisting of W, V, Hf, Zr, Nb, and Co. These catalysts have an onset voltage for the electrooxidn. of methanol of less than about 240 mV vs. a SCE. They are useful in making diffusion backing electrodes and catalyst coated membranes for use in fuel cells.

IT 199009-17-1 271598-57-3 499778-45-9
669054-73-3 669054-74-4 669054-75-5
669054-76-6 669054-77-7 669054-78-8
669054-79-9 669054-80-2 669054-81-3
669054-82-4 669054-83-5 669054-84-6
669054-85-7 669054-87-9 669054-88-0
669054-89-1 669054-90-4 669054-91-5
669054-92-6

(vapor deposited catalysts and
their use in fuel cells)

RN 199009-17-1 HCA

CN Aluminum alloy, nonbase, Al,Pt,Rh (9CI) (CA INDEX NAME)

Component Component
Registry Number

=====+=====

Al	7429-90-5
Pt	7440-06-4
Rh	7440-16-6

RN 271598-57-3 HCA

CN Aluminum alloy, nonbase, Al,Nb,Pt (9CI) (CA INDEX NAME)

Component Component
 Registry Number

=====+=====

Al	7429-90-5
Nb	7440-03-1
Pt	7440-06-4

RN 499778-45-9 HCA

CN Aluminum alloy, nonbase, Al,Hf,Pt (9CI) (CA INDEX NAME)

Component Component
 Registry Number

=====+=====

Al	7429-90-5
Hf	7440-58-6
Pt	7440-06-4

RN 669054-73-3 HCA

CN Aluminum alloy, nonbase, Al,Pt,Ru (CA INDEX NAME)

Component Component
 Registry Number

=====+=====

Al	7429-90-5
Pt	7440-06-4
Ru	7440-18-8

RN 669054-74-4 HCA

CN Aluminum alloy, nonbase, Al,Mo,Pt (9CI) (CA INDEX NAME)

Component Component
 Registry Number

=====+=====

Al	7429-90-5
Mo	7439-98-7
Pt	7440-06-4

RN 669054-75-5 HCA

CN Aluminum alloy, nonbase, Al,Pt,W (9CI) (CA INDEX NAME)

Component Component
 Registry Number

=====+=====

Al	7429-90-5
Pt	7440-06-4
W	7440-33-7

RN 669054-76-6 HCA
CN Aluminum alloy, nonbase, Al,Pt,V (9CI) (CA INDEX NAME)

Component	Component Registry Number
Al	7429-90-5
Pt	7440-06-4
V	7440-62-2

RN 669054-77-7 HCA
CN Aluminum alloy, nonbase, Al,Pt,Zr (9CI) (CA INDEX NAME)

Component	Component Registry Number
Al	7429-90-5
Pt	7440-06-4
Zr	7440-67-7

RN 669054-78-8 HCA
CN Aluminum alloy, nonbase, Al,Co,Pt (9CI) (CA INDEX NAME)

Component	Component Registry Number
Al	7429-90-5
Co	7440-48-4
Pt	7440-06-4

RN 669054-79-9 HCA
CN Aluminum alloy, base, Al 61,Ru 33,Pt 5.8 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
Al	61	7429-90-5
Ru	33	7440-18-8
Pt	5.8	7440-06-4

RN 669054-80-2 HCA
CN Platinum alloy, base, Pt 62,Al 30,W 8 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
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Pt	62	7440-06-4
Al	30	7429-90-5
W	8	7440-33-7

RN 669054-81-3 HCA
 CN Platinum alloy, base, Pt 70,Al 29,V 0.8 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
=====+	=====+	=====+
Pt	70	7440-06-4
Al	29	7429-90-5
V	0.8	7440-62-2

RN 669054-82-4 HCA
 CN Platinum alloy, base, Pt 79,Al 18,Hf 3.4 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
=====+	=====+	=====+
Pt	79	7440-06-4
Al	18	7429-90-5
Hf	3.4	7440-58-6

RN 669054-83-5 HCA
 CN Platinum alloy, base, Pt 75,Al 24,Hf 1.4 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
=====+	=====+	=====+
Pt	75	7440-06-4
Al	24	7429-90-5
Hf	1.4	7440-58-6

RN 669054-84-6 HCA
 CN Platinum alloy, base, Pt 88,Al 11,Rh 0.9 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
=====+	=====+	=====+
Pt	88	7440-06-4
Al	11	7429-90-5
Rh	0.9	7440-16-6

RN 669054-85-7 HCA
 CN Aluminum alloy, base, Al 45,Rh 36,Pt 18 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
=====+	=====+	=====
Al	45	7429-90-5
Rh	36	7440-16-6
Pt	18	7440-06-4

RN 669054-87-9 HCA
 CN Platinum alloy, base, Pt 72,Al 26,Zr 2 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
=====+	=====+	=====
Pt	72	7440-06-4
Al	26	7429-90-5
Zr	2	7440-67-7

RN 669054-88-0 HCA
 CN Aluminum alloy, base, Al 63,Zr 32,Pt 4.3 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
=====+	=====+	=====
Al	63	7429-90-5
Zr	32	7440-67-7
Pt	4.3	7440-06-4

RN 669054-89-1 HCA
 CN Platinum alloy, base, Pt 72,Al 28,Nb 0.1 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
=====+	=====+	=====
Pt	72	7440-06-4
Al	28	7429-90-5
Nb	0.1	7440-03-1

RN 669054-90-4 HCA
 CN Aluminum alloy, base, Al 66,Nb 31,Pt 3.7 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
=====+	=====+	=====
Al	66	7429-90-5
Nb	31	7440-03-1
Pt	3.7	7440-06-4

RN 669054-91-5 HCA
CN Platinum alloy, base, Pt 85,Al 14,Co 0.9 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
Pt	85	7440-06-4
Al	14	7429-90-5
Co	0.9	7440-48-4

RN 669054-92-6 HCA
CN Aluminum alloy, base, Al 52,Co 34,Pt 14 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
Al	52	7429-90-5
Co	34	7440-48-4
Pt	14	7440-06-4

IC ICM B01J
CC 52-2 (Electrochemical, Radiational, and Thermal Energy Technology)
Section cross-reference(s): 56, 67, 72
ST fuel cell vapor deposited catalyst
IT Fuel cells
(direct methanol; vapor deposited catalysts and their use in fuel cells)
IT Catalysts
(electrocatalysts; vapor deposited catalysts and their use in fuel cells)
IT Oxidation catalysts
(electrochem.; vapor deposited catalysts and their use in fuel cells)
IT Fluoropolymers, uses
(gas diffusion backing; vapor deposited catalysts and their use in fuel cells)
IT Sulfonic acids, uses
(perfluorosulfonic acid polymers, substrate; vapor deposited catalysts and their use in fuel cells)
IT Magnetron sputtering
(radio-frequency; vapor deposited

catalysts and their use in fuel cells
)
 IT Fuel cells
 (solid electrolyte, proton exchange membrane;
 vapor deposited catalysts and their
 use in fuel cells)
 IT Ion exchange membranes
 (substrate; vapor deposited catalysts
 and their use in fuel cells)
 IT Fluoropolymers, uses
 (sulfo-contg., perfluoro, substrate; vapor
 deposited catalysts and their use in
 fuel cells)
 IT Oxidation, electrochemical
 Vapor deposition process
 (vapor deposited catalysts and
 their use in fuel cells)
 IT 9002-84-0, Ptfе
 (gas diffusion backing; vapor deposited
 catalysts and their use in fuel cells
)
 IT 7440-44-0, Carbon, uses
 (paper, gas diffusion backing; vapor deposited
 catalysts and their use in fuel cells
)
 IT 199009-17-1 271598-57-3 499778-45-9
 669054-73-3 669054-74-4 669054-75-5
 669054-76-6 669054-77-7 669054-78-8
 669054-79-9 669054-80-2 669054-81-3
 669054-82-4 669054-83-5 669054-84-6
 669054-85-7 669054-87-9 669054-88-0
 669054-89-1 669054-90-4 669054-91-5
 669054-92-6
 (vapor deposited catalysts and
 their use in fuel cells)
 IT 1310-73-2, Sodium hydroxide, processes
 (vapor deposited catalysts and
 their use in fuel cells)
 IT 67-56-1, Methanol, uses
 (vapor deposited catalysts and
 their use in fuel cells)

L16 ANSWER 2 OF 5 HCA COPYRIGHT 2008 ACS on STN
 AN 139:55420 HCA Full-text
 TI Catalyst for fuel cell
 IN Date, Tomoko; Kuwahara, Mitsuo
 PA Honda Motor Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 16 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO. ----- -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE
PI	JP 2003173787	A	20030620	JP 2001-371728	200112 05
				<--	
	JP 3831238	B2	20061011		
	JP 2006222092	A	20060824	JP 2006-106579	200604 07
				<--	

PRAI JP 2001-371728 A3 20011205 <--

AB The catalyst, for electrodes in fuel cells having ion exchanger electrolyte membranes, is a Pt catalyst contg. ≥ 1 Group VIII element and Al. The catalyst may also contain Ti, Zr, Hf, Ge, Si, and/or Ga.

IT 545606-12-0 545606-22-2 545606-32-4
545606-45-9

(aluminum and transition metal contg. platinum alloy catalysts for polymer electrolyte fuel cell electrodes)

RN 545606-12-0 HCA

CN Platinum alloy, base, Pt 94,Al 3.3,Co 2.3 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
Pt	94	7440-06-4
Al	3.3	7429-90-5
Co	2.3	7440-48-4

RN 545606-22-2 HCA

CN Platinum alloy, base, Pt 91,Co 5.9,Al 2.7 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
Pt	91	7440-06-4
Co	5.9	7440-48-4
Al	2.7	7429-90-5

RN 545606-32-4 HCA

CN Platinum alloy, base, Pt 69,Co 30,Al 1.5 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
=====+=====+=====		
Pt	69	7440-06-4
Co	30	7440-48-4
Al	1.5	7429-90-5

RN 545606-45-9 HCA

CN Platinum alloy, base, Pt 81,Co 17,Al 2.6 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
=====+=====+=====		
Pt	81	7440-06-4
Co	17	7440-48-4
Al	2.6	7429-90-5

IC ICM H01M004-90

ICS B01J023-89; B01J037-02; C22C005-04; H01M008-10

CC 52-2 (Electrochemical, Radiational, and Thermal Energy Technology)

ST fuel cell electrode catalyst platinum

aluminum transition metal

IT Fuel cell electrodes

(hafnium microalloyed aluminum and transition metal contg.
platinum alloy catalysts for polymer electrolyte
fuel cell electrodes)

IT 545606-12-0 545606-16-4 545606-19-7 545606-22-2

545606-26-6 545606-29-9 545606-32-4 545606-36-8

545606-39-1 545606-42-6 545606-45-9 545606-48-2

545606-51-7 545606-54-0 545606-57-3

(aluminum and transition metal contg. platinum alloy
catalysts for polymer electrolyte fuel
cell electrodes)

IT 7440-58-6, Hafnium, uses

(hafnium microalloyed aluminum and transition metal contg.
platinum alloy catalysts for polymer electrolyte
fuel cell electrodes)

IT 7440-32-6, Titanium, uses

(titanium microalloyed aluminum and transition metal contg.
platinum alloy catalysts for polymer electrolyte
fuel cell electrodes)

IT 7440-67-7, Zirconium, uses

(zirconium microalloyed aluminum and transition metal contg.
platinum alloy catalysts for polymer electrolyte
fuel cell electrodes)

L16 ANSWER 3 OF 5 HCA COPYRIGHT 2008 ACS on STN

AN 123:236572 HCA Full-text

OREF 123:42087a,42090a

TI Aluminum-based catalysts for nitrogen oxide removal and
their manufacture

IN Masumoto, Takeshi; Inoe, Akihisa; Uzawa, Masami

PA Chichibu Onoda KK, Japan; Wai Kei Kei KK; Honda Motor Co., Ltd.

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 07178342	A	19950718	JP 1993-327602	199312 24

<--

PRAI JP 1993-327602 19931224 <--

AB The catalysts are obtained by melting melt-quench solidified Al alloys contg. elements having catalyst activity to remove Al from surface and then washing the alloys. The catalysts obtained from the simple and low-cost process have high activity and are suitable not only for exhaust gas treatment, but also for decompn. of chems., petroleum refining, polymn., manuf. of inorg. chems., pharmaceuticals, food, etc.

IT 168552-92-9

(aluminum-based catalysts for nitrogen oxide removal
from exhaust gases)

RN 168552-92-9 HCA

CN Aluminum alloy, base, Al 72,Co 22,Pt 6 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
=====+=====+=====		
Al	72	7429-90-5
Co	22	7440-48-4
Pt	6	7440-06-4

IC ICM B01J025-00

ICS B01D053-86; B01D053-94; B01J023-63; B01J023-64; B01J023-648;
B01J023-89

CC 59-3 (Air Pollution and Industrial Hygiene)

Section cross-reference(s): 56, 67

ST nitrogen oxide removal catalyst; aluminum alloy

catalyst manuf; exhaust gas nitrogen oxide removal

IT Catalysts and Catalysis
(aluminum-based, for nitrogen oxide removal from exhaust gases)

IT Exhaust gases
(nitrogen oxide removal from, aluminum-based catalysts
for)

IT Aluminum alloy, base
(aluminum-based catalysts for nitrogen oxide removal
from exhaust gases)

IT 158983-69-8 158983-77-8 168552-84-9 168552-85-0 168552-86-1
168552-87-2 168552-88-3 168552-89-4 168552-90-7 168552-91-8
168552-92-9
(aluminum-based catalysts for nitrogen oxide removal
from exhaust gases)

IT 11104-93-1, Nitrogen oxide, processes
(aluminum-based catalysts for nitrogen oxide removal
from exhaust gases)

L16 ANSWER 4 OF 5 HCA COPYRIGHT 2008 ACS on STN

AN 90:159067 HCA Full-text

OREF 90:25165a,25168a

TI Thermodesorption and electrochemical study of the state of hydrogen
in catalysts based on platinum group metals

AU Fasman, A. B.; Padyukova, G. L.; Zavorin, V. A.; Kutjukov, G. G.;
Bazhakov, D. K.

CS USSR

SO Tr. In-ta Organ. Kataliza i Elektrokhimii. AN KazSSR (1978
) , (18), 92-100

From: Ref. Zh., Khim. 1979, Abstr. No. 1B1256

DT Journal

LA Russian

AB Title only translated.

IT 69930-13-8 69930-14-9

(catalysts, thermodesorption and state of hydrogen in)

RN 69930-13-8 HCA

CN Platinum alloy, base, Pt 51-66,Al 21-27,Rh 7.3-27 (9CI) (CA INDEX
NAME)

Component	Component Percent	Component Registry Number
Pt	51 - 66	7440-06-4
Al	21 - 27	7429-90-5
Rh	7.3 - 27	7440-16-6

RN 69930-14-9 HCA

CN Platinum alloy, base, Pt 52-66,Al 21-27,Ru 7.2-27 (9CI) (CA INDEX

NAME)

Component	Component Percent	Component Registry Number
-----------	----------------------	------------------------------

=====+=====+=====

Pt	52 - 66	7440-06-4
Al	21 - 27	7429-90-5
Ru	7.2 - 27	7440-18-8

CC 72-12 (Electrochemistry)
Section cross-reference(s): 66, 67

ST thermodesorption hydrogen platinum metal catalyst;
desorption hydrogen platinum metal catalyst

IT Platinum-group metals
(catalysts, thermodesorption and state of hydrogen in)

IT Desorption
(thermal, of hydrogen, in catalysts based on
platinum-group metals)

IT 7440-05-3, uses and miscellaneous 7440-06-4, uses and
miscellaneous 7440-16-6, uses and miscellaneous 69930-12-7
69930-13-8 69930-14-9 69930-15-0
(catalysts, thermodesorption and state of hydrogen in)

IT 1333-74-0, properties
(thermodesorption and state of, in catalysts based on
platinum-group metals)

L16 ANSWER 5 OF 5 HCA COPYRIGHT 2008 ACS on STN

AN 80:52654 HCA Full-text

OREF 80:8535a,8538a

TI Effect of electrolyte composition on hydrogen adsorption on Raney
platinum, rhodium, and platinum-rhodium catalysts

AU Grishina, T. M.; Logacheva, L. I.; Fadeeva, V. I.; Strat'ev, A. I.;
Vovchenko, G. D.

CS Mosk. Gos. Univ., Moscow, USSR

SO Vestnik Moskovskogo Universiteta, Seriya 2: Khimiya (1973
, 14(5), 586-90

CODEN: VMUKA5; ISSN: 0579-9384

DT Journal

LA Russian

AB The prepn. of Pt, Rh, and Pt-Rh catalysts is described and their x-
ray and chem. anal. given. All prepn. contained 2.51-10.20 wt. %
Al. Sp. H adsorption ability in coulombs/g and sp. surface in m²/g
were detd. in 1 N H₂SO₄, HCl, and KOH. The strength of H bonding
with the surface decreases in the series KOH > H₂SO₄ > HCl.

IT 51428-22-9

(Raney catalysts, electrolyte compn. effect on hydrogen
adsorption by)

RN 51428-22-9 HCA
CN Platinum alloy, base, Pt 0-98,Rh 0-98,Al 2.5-10 (9CI) (CA INDEX NAME)

Component	Component Percent	Component Registry Number
Pt	0 - 98	7440-06-4
Rh	0 - 98	7440-16-6
Al	2.5 - 10	7429-90-5

CC 67-1 (Catalysis and Reaction Kinetics)
Section cross-reference(s): 66
ST Raney platinum rhodium catalyst electrolyte; hydrogen adsorption Raney catalyst
IT Catalysts and Catalysis
(Raney platinum-rhodium, electrolyte soln. effect on hydrogen adsorption by)
IT Adsorption
(of hydrogen, Raney platinum-rhodium catalysts, electrolyte soln. effects on)
IT 51402-53-0 51428-22-9
(Raney catalysts, electrolyte compn. effect on hydrogen adsorption by)
IT 1333-74-0, properties
(adsorption of, by Raney platinum-rhodium catalysts, electrolyte effects on)
IT 7440-06-4, uses and miscellaneous 7440-16-6, uses and miscellaneous
(catalysts, Raney, hydrogen adsorption by, electrolyte effects on)
IT 1310-58-3, uses and miscellaneous 7647-01-0, uses and miscellaneous 7664-93-9, uses and miscellaneous
(hydrogen adsorption by Raney platinum-rhodium catalysts from solns. contg.)

=> D L17 1-23 TI

L17 ANSWER 1 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI Modified platinum-aluminum-hafnium refractory coating for turbine blades

L17 ANSWER 2 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI Covalent bonding and band-gap formation in ternary transition-metal di-aluminides: Al₄MnCo and related compounds

L17 ANSWER 3 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI The creep behaviour of platinum-based γ/γ' analogues of nickel-based superalloys at 1300 °C

L17 ANSWER 4 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI Platinum alloys based on Pt-Pt3Al for ultra-high temperature use

L17 ANSWER 5 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI The precipitate morphology and lattice mismatch of ternary (Pt)/Pt3Al alloys

L17 ANSWER 6 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI The hot corrosion resistance of platinum-rhodium modified diffusion coating on directionally solidified MAR M002 superalloy at 900°

L17 ANSWER 7 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI An investigation of the Pt-Al-Ru diagram to facilitate alloy development

L17 ANSWER 8 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI An assessment of ternary precipitation-strengthened Pt alloys for ultrahigh temperature applications

L17 ANSWER 9 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI High-temperature compression strengths of precipitation-strengthened ternary Pt-Al-X alloys

L17 ANSWER 10 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI Wire for electrochemical corrosion prevention of water pipe

L17 ANSWER 11 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI Characterization of Pt-rich Pt-Al-Ru alloys

L17 ANSWER 12 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI High temperature air oxidation performance of modified aluminide coatings on a nickel-based superalloy

L17 ANSWER 13 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI Sputtering target material for thin film transistor

L17 ANSWER 14 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI Amorphous alloys having high strength and corrosion resistance for living body

L17 ANSWER 15 OF 23 HCA COPYRIGHT 2008 ACS on STN

TI Aluminum-doped sputtering target for magnetic recording medium with high coercive force

L17 ANSWER 16 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI Study of particle rebound characteristics and material erosion at high temperature

L17 ANSWER 17 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI Magnetic dentistry alloys

L17 ANSWER 18 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI Amperometric titration of platinum(II) by some oxidants

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TI Zirconium-aluminum-platinum (ZrAlPt₂) and hafnium aluminum platinum (HfAlPt₂) phases

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TI Oxidation and products of the oxidation of low-alloy platinum alloys with some nonnoble metals

L17 ANSWER 21 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI Corrosion resistance of platinum alloys in a glass melt

L17 ANSWER 22 OF 23 HCA COPYRIGHT 2008 ACS on STN
TI Microalloying of platinum by zirconium, titanium, and aluminum

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TI Ternary compounds with the Fe₂P-type structure